Bruhath Bangalore Mahanagara Palike Dasarahalli Zone

Name of Work : Detailed Estimated for Improvements & Asphalting to Mallasandra main road from Govt. School to Anjaneya Swamy Temple road in Mallasandra, in Shettyhalli Sub Division, Ward No.13

Est.Cost Rs 25.00Lakhs

Sl. No.	Description of Items	Unit	No.	L.	B.	D	Qty.	Rate	Amount
1	2	3	4	5	6	7	8	9	10
1	KSRB 2-1.2: Earthwork in surface excavation in ordinary soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, specification No. KBS 2.1(a) / 2.3.1 Page No. 5/ Item No. 2.1/ PWD SR 2012-13 Rs 150/19.1.								
	Total Length of road for Asphalt	7815.00.x6 /100	1	469.00		0.15	70.35	58.32	4102.00
							70.35	~~112.32~~	~~7902.00~~
	Basic Rate	~~104.00~~	54.00						
	Area Weightage 8%	~~8.32~~	4.32						
		~~112.32~~	58.32						
2	KSRRB M400-17: Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam Specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per Specifications.MORTH Specification No. 406 Page No. 167/ Item No. 20.18/ PWD SR 2012-13								
			1	469.00		0.20	93.80		
							93.80	1059.48	**99379.00**
	Basic Rate	981.00							
	Area Weightage 8%	78.48							
		1,059.48							
3	KSRRB 500-4: Providing and applying primer coat from 7.5 to 9.8 kg and 9.8 to 12.2 kg per 10 sqm for surfaces of low and medium porosity respectively over prepared surface of granular base with cut back M.C-70 or any other bitumen mixed with diesel at 10kg per 10sqm heated in bitumen boiler fitted with spray set (Excluding cleaning of road surface) including cost of all materials, labour, HOM of Machineries Complete as per Specifications. MORTH Chapter 5 Page No. 172/ Item No. 21.4/ PWD SR 2012-13								
			1	469.00			469.00		
							469.00	68.36	**32063.00**
	Basic Rate	63.30							
	Area Weightage 8%	5.06							
		68.36							
4	KSRRB 500-2: Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Chapter 5 Page No. 172/ Item No. 21.2/ PWD SR 2012-13								
		Sqm	1	60.00	10.50		630.00		
			1	180.00	6.50		1170.00		
			1	176.00	6.00		1056.00		

			1	150.00	3.00		450.00		
			1	120.00	4.00		480.00		
			1	68.00	4.00		272.00		
	Kuvempu College road		1	264.00	4.50		1188.00		
			1	367.00	7.00		2569.00		
							7815.00	2.38	**18568.00**
	Basic Rate	2.20							
	Area Weightage 8%	0.18							
		2.38							
5	KSRRB 500-10 : Tack Coat:- Providing and applying tack coat with bitumen emulsion using emulsion pressure distributor at the rate of 0.20 kg per sqm on the prepared bituminous/granular surface cleaned with mechanical broom complete as per specifications using bitumen emulsion. MORTH Specification No.503 (Page No.173, Item No. 21.10.1)								
		Sqm	1	60.00	10.50		630.00		
			1	180.00	6.50		1170.00		
			1	176.00	6.00		1056.00		
			1	150.00	3.00		450.00		
			1	120.00	4.00		480.00		
			1	68.00	4.00		272.00		
			1	264.00	4.50		1188.00		
			1	367.00	7.00		2569.00		
				1385			**7815.00**	10.80	**84402.00**
	Basic Rate	10.00							
	Area Weightage 8%	0.80							
		10.80							
6	KSRRB M500-18: Providing and laying semi dense bituminous concrete 25mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH Specification clause No. 500.8 complete in all respects as per specifications. With 80/100 grade bitumen Page No. 175/ Item No. 21.20.1/ PWD SR 2012-13								
		Cum	1	60.00	10.50	0.025	15.75		
			1	180.00	6.50	0.025	29.25		
			1	176.00	6.00	0.025	26.40		
			1	150.00	3.00	0.025	11.25		
			1	120.00	4.00	0.025	12.00		
			1	68.00	4.00	0.025	6.80		
			1	264.00	4.50	0.025	29.70		
							131.15	8829.00	**1157923.00**
	Basic Rate	8,175.00							
	Area Weightage 8%	654.00							
		8,829.00							

12

7	KSRRB M500-19 : Providing and laying bituminous concrete with 100-120 TPH batch type HOT mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 5.4 to 5.6% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No.500.9 complete in all respects as per specifications. 30-45mm compacted thickness (Grading II) with 6% Bitumen 80/100 grade using 40-60 HMP. MORTH Specification No.509 (Page No.176, Item No. 21.22.3) PWD SR 2012-13								
	Pipeline road form Shanimahatma Temple to Govt School	Cum	1	367.00	7.00	0.04	102.76		
							102.76	10504.08	**1079399.00**
	Basic Rate	9726.00							
	Area Weightage 8%	778.08							
		10504.08							
8	KSRRB 400-1.3: Carriage of mixed materials 10 kms for items of Sl.No.19.1 to 19.6 and 19.8 to 19.16 (Page No.183)								
	Qty.vide item No. 3	Cum					233.91		
							233.91	56.70	**13263.00**
	Basic Rate	52.50							
	Area Weightage 8%	4.20							
		56.70							
9	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 2 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading Item No. 17.1 KSRRB M 100-1 Rs. 62.20 (P.147 I.18.57/1)								720.00
	Qty Vide Item No=1						10.00 70.35		
	Qty Limited to						10.00 70.35	72.71	**5115.00**
	Basic Rate	5.12							
	Loading and Unloading Charges	62.20							
		67.32							
	Area Weightage @ 8%	5.39							
	Total	**72.71**							
10	Miscellaneous and other unforseen charges								10181.00 ~~1986~~
								Total	**2500000.00**

(Rupees TwentyFive Lakhs Only)

CERTIFICATE

1 The work sport has been inspected and the work found to be necessary
2 This estimate is prepared as per the PWD S.R of 2012-13
3 The provisions made in estimate are adequate and essential
4 This area comes under BBMP limits

Asst.Engineer
Ward No-13

Project Engineer (PE-4)
KRIDL, Dasarahalli Zone, Bangalore

Asst.Executive Engineer
Shettyhalli Sub-Division
BBMP

Executive Engineer
Dasarahalli Zone
BBMP

JC(DH) AS 734/12-13 ದಿನಾಂಕ : 28/02/13
ರೂ. 25.00 Lakhs (Rupees Twenty five Lakhs only)
ಈ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಯವ್ಯಯದಲ್ಲಿ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
Page No. 133
Sl. No. 734
ಜಂಟಿ ಆಯುಕ್ತರು
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

ಸಂ. 81/12-13 ದಿನಾಂಕ : 4/03/2013
ರೂ. 25.00 ಲಕ್ಷಗಳು (ಇಪ್ಪತ್ತೈದು ಲಕ್ಷಗಳಿಗೆ) ಮಾತ್ರ
ಈ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾತ್ಕಾಲಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
ಮುಖ್ಯ ಆಯುಕ್ತರು
ತಾತ್ಕಾಲಿಕ ಸಹಾಯಕರು ಬೃ.ಬೆ.ಮ.ಪ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

Chief Engineer
Bruhat Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore